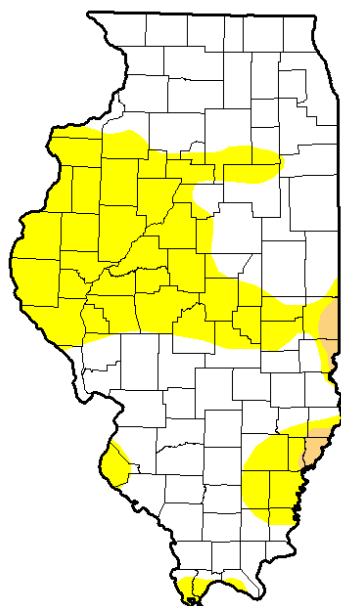




# Central Illinois Drought Update

Thursday, November 19, 2015 – **Final Update**

## U.S. Drought Monitor Illinois



**November 17, 2015**

(Released Thursday, Nov. 19, 2015)

Valid 7 a.m. EST

Drought Conditions (Percent Area)

	None	D0-D4	D1-D4	D2-D4	D3-D4	D4
<b>Current</b>	61.20	38.80	1.39	0.00	0.00	0.00
<b>Last Week</b> 11/10/2015	44.38	55.62	22.33	0.00	0.00	0.00
<b>3 Months Ago</b> 8/18/2015	99.67	0.33	0.02	0.00	0.00	0.00
<b>Start of Calendar Year</b> 12/02/2014	99.86	0.14	0.00	0.00	0.00	0.00
<b>Start of Water Year</b> 9/29/2015	82.81	17.19	0.00	0.00	0.00	0.00
<b>One Year Ago</b> 11/18/2014	100.00	0.00	0.00	0.00	0.00	0.00

### Intensity

D0 Abnormally Dry	D3 Extreme Drought
D1 Moderate Drought	D4 Exceptional Drought
D2 Severe Drought	

The Drought Monitor focuses on broad-scale conditions. Local conditions may vary. See accompanying text summary for forecast statements.

### Author:

Richard Heim  
NCE/NOAA



<http://droughtmonitor.unl.edu/>



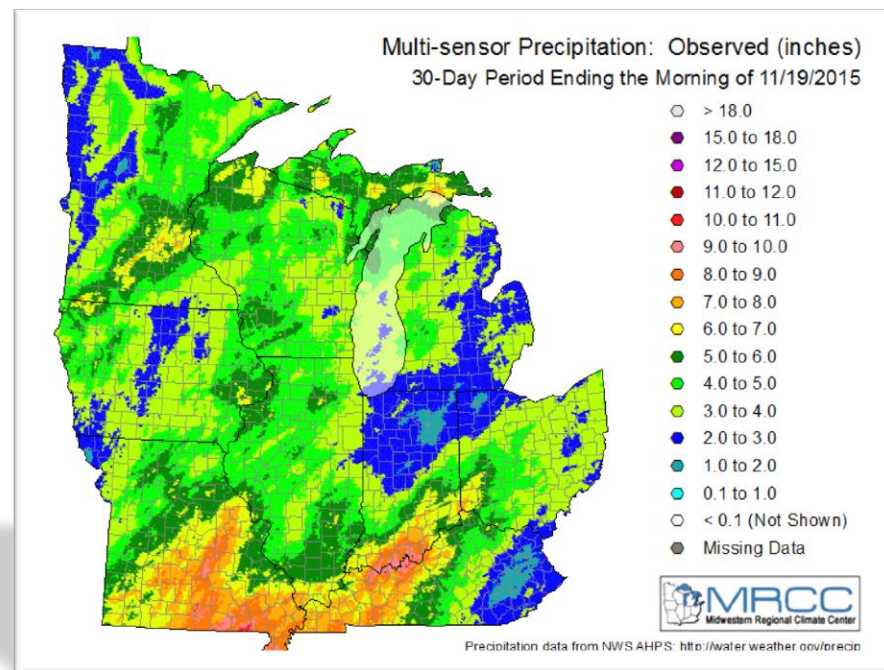
Chris Geelhart, Meteorologist  
National Weather Service, Lincoln IL  
Phone: 217-732-3089  
E-mail: [chris.geelhart@noaa.gov](mailto:chris.geelhart@noaa.gov)



# Central Illinois Drought Update

Latest Summary

- Significant amounts of rain occurred across central and southeast Illinois from November 16-18. Many locations saw at least 2 inches of rain during the period.
- Ground moisture had already started to improve before this recent rainfall, and stream flows on area rivers are in good shape right now.
- With earlier rainfall this month, drought conditions have started to ease.





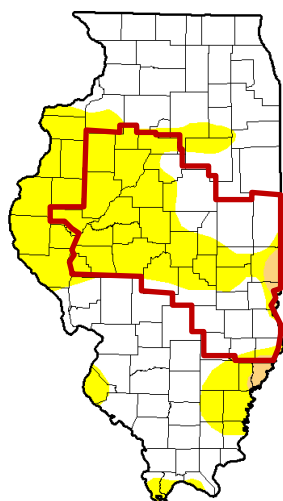
# Central Illinois Drought Update

## Latest Drought Monitor Graphics – Local

### Classification of counties covered by the Lincoln NWS (highlighted in red on the map):

- **D4 (Exceptional Drought):** None
- **D3 (Extreme Drought):** None
- **D2 (Severe Drought):** None
- **D1 (Moderate Drought):** Edgar
- **D0 (Abnormally Dry):** Cass, Christian, Clark, Coles, Douglas, Fulton, Knox, Logan, Macon, Marshall, Mason, Menard, Morgan, Moultrie, Peoria, Piatt, Sangamon, Schuyler, Scott, Shelby, Stark, Tazewell

### U.S. Drought Monitor Illinois



**November 17, 2015**  
(Released Thursday, Nov. 19, 2015)  
Valid 7 a.m. EST

Drought Conditions (Percent Area)

	None	D0-D4	D1-D4	D2-D4	D3-D4	D4
<b>Current</b>	61.20	38.80	1.39	0.00	0.00	0.00
<b>Last Week</b> 11/12/2015	44.38	55.62	22.33	0.00	0.00	0.00
<b>3 Months Ago</b> 8/15/2015	99.67	0.33	0.02	0.00	0.00	0.00
<b>Start of Calendar Year</b> 1/1/2015	99.86	0.14	0.00	0.00	0.00	0.00
<b>Start of Water Year</b> 9/29/2014	82.81	17.19	0.00	0.00	0.00	0.00
<b>One Year Ago</b> 11/19/2014	100.00	0.00	0.00	0.00	0.00	0.00

#### Intensity:

<span style="background-color: yellow; border: 1px solid black; display: inline-block; width: 10px; height: 10px;"></span> D0 Abnormally Dry	<span style="background-color: red; border: 1px solid black; display: inline-block; width: 10px; height: 10px;"></span> D3 Extreme Drought
<span style="background-color: orange; border: 1px solid black; display: inline-block; width: 10px; height: 10px;"></span> D1 Moderate Drought	<span style="background-color: darkred; border: 1px solid black; display: inline-block; width: 10px; height: 10px;"></span> D4 Exceptional Drought
<span style="background-color: lightorange; border: 1px solid black; display: inline-block; width: 10px; height: 10px;"></span> D2 Severe Drought	

The Drought Monitor focuses on broad-scale conditions. Local conditions may vary. See accompanying text summary for forecast statements.

**Author:**  
Richard Heim  
NCEI/NOAA



<http://droughtmonitor.unl.edu/>

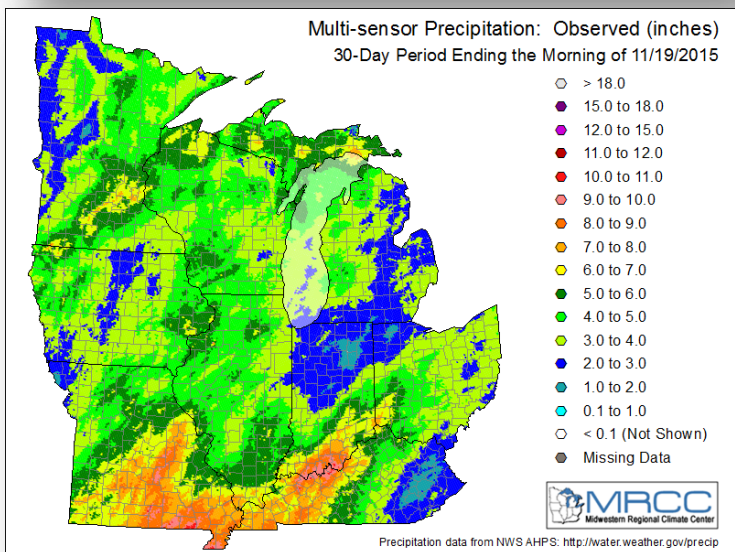
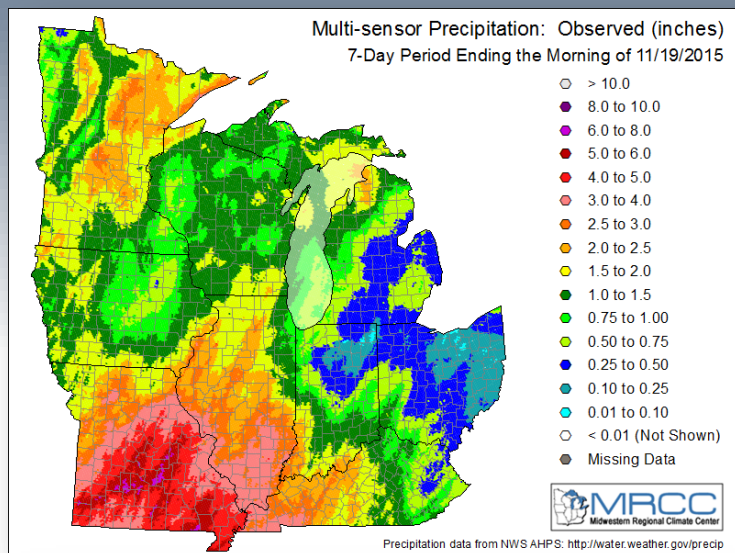
Category	Description	Possible Impacts
D0	Abnormally Dry	<p>Going into drought:</p> <ul style="list-style-type: none"> <li>short-term dryness slowing planting, growth of crops or pastures</li> </ul> <p>Coming out of drought:</p> <ul style="list-style-type: none"> <li>some lingering water deficits</li> <li>pastures or crops not fully recovered</li> </ul>
D1	Moderate Drought	<ul style="list-style-type: none"> <li>Some damage to crops, pastures</li> <li>Streams, reservoirs, or wells low, some water shortages developing or imminent</li> <li>Voluntary water-use restrictions requested</li> </ul>
D2	Severe Drought	<ul style="list-style-type: none"> <li>Crop or pasture losses likely</li> <li>Water shortages common</li> <li>Water restrictions imposed</li> </ul>
D3	Extreme Drought	<ul style="list-style-type: none"> <li>Major crop/pasture losses</li> <li>Widespread water shortages or restrictions</li> </ul>
D4	Exceptional Drought	<ul style="list-style-type: none"> <li>Exceptional and widespread crop/pasture losses</li> <li>Shortages of water in reservoirs, streams, and wells creating water emergencies</li> </ul>





# Central Illinois Drought Update

Climate Summary (including observations through Nov. 18)



Location	Precipitation Since 8/1 (vs normal)	Precipitation in November (inches)
Charleston	10.54 (-1.74)	3.74
Decatur	7.42 (-4.96)	1.96
Galesburg	9.84 (-2.08)	3.89
Havana	7.79 (-4.13)	2.50
Jacksonville	9.53 (-2.60)	3.82
Lincoln	9.48 (-2.63)	2.08
Normal	11.18 (-1.05)	3.06
Paris	8.98 (-3.76)	3.25
Peoria	10.52 (-0.59)	3.23
Springfield	9.57 (-1.62)	2.24







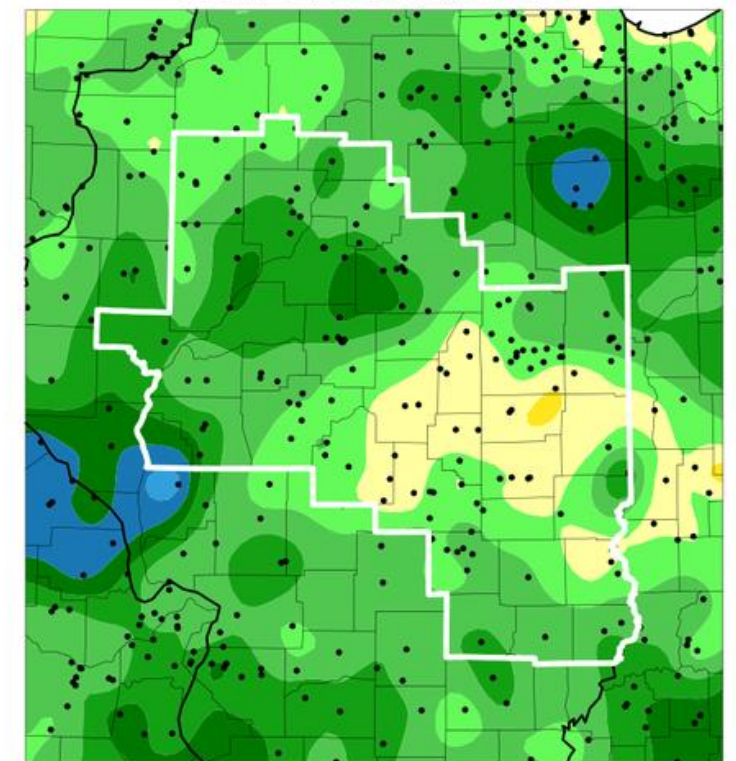
# Central Illinois Drought Update

## Precipitation Departures from Normal

*First 7 months of the year*

Accumulated Precipitation (in): Departure from 1981-2010 Normals

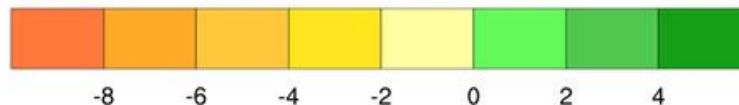
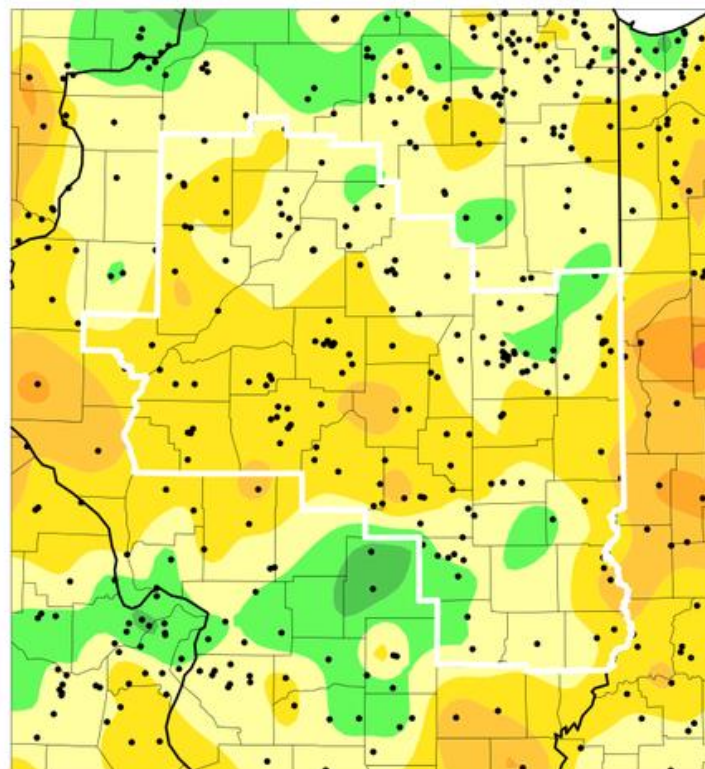
January 01, 2015 to July 31, 2015



*Since August 1*

Accumulated Precipitation (in): Departure from 1981-2010 Normals

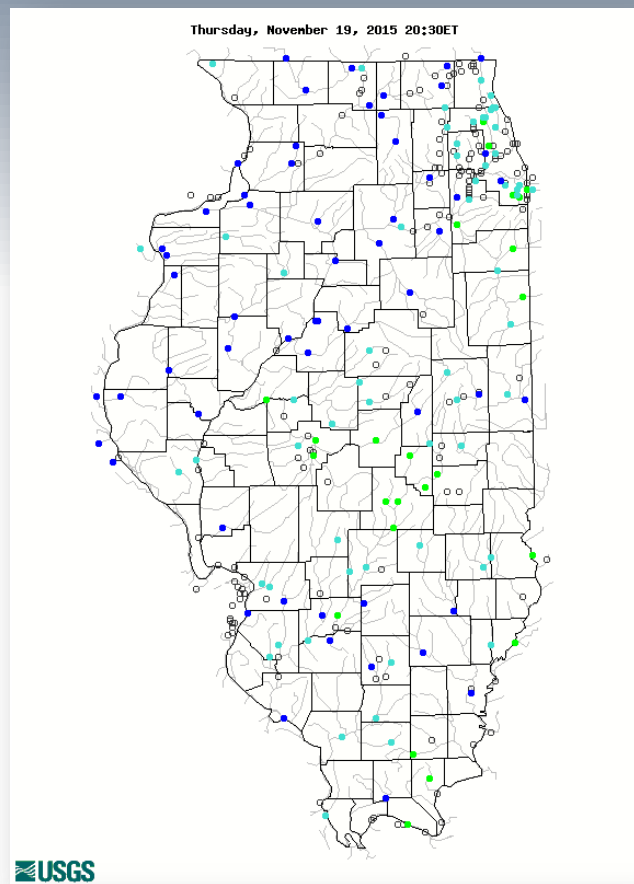
August 01, 2015 to November 18, 2015





# Central Illinois Drought Update

## Hydrologic Summary – River and Stream Flow Conditions



Explanation - Percentile classes							
●	●	●	●	●	●	●	○
Low	<10	10-24	25-75	76-90	>90	High	Not-ranked
	Much below normal	Below normal	Normal	Above normal	Much above normal		

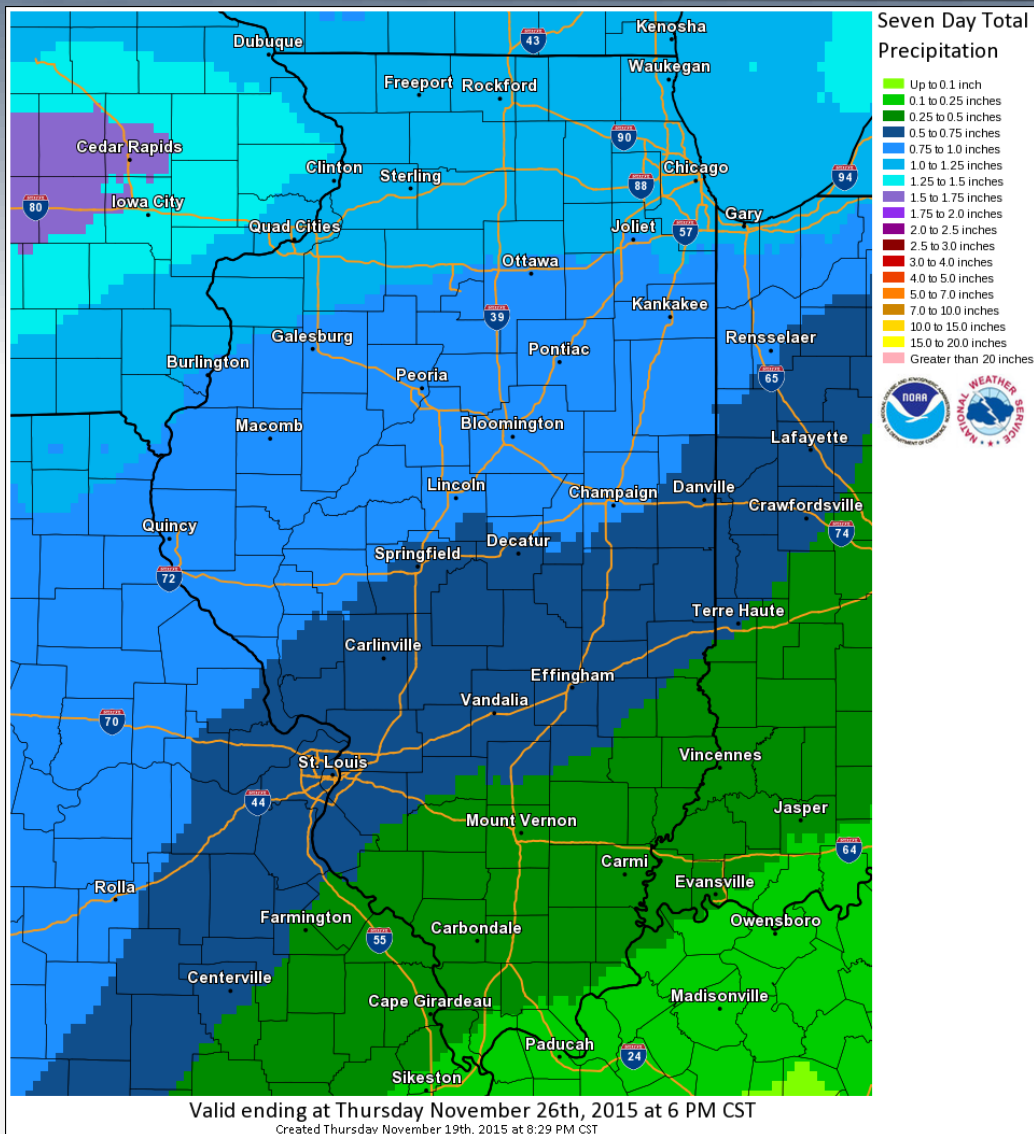
Location	Discharge (CFS)	Long Term Daily Mean Discharge
<b>Illinois River:</b>		
Kingston Mines	25,700	8,330
Valley City	23,100	10,800
<b>Sangamon River:</b>		
Decatur	3.7	7.7
Riverton	518	233
Oakford	1,790	703
<b>Spoon River:</b>		
London Mills	1,480	166
Seville	2,660	250
Location	Observed Stage (ft.)	Normal Stage (ft.)
Clinton Lake	690.53	Not available
Lake Decatur	614.33	613.0
Lake Springfield	Missing	557.93
Lake Shelbyville	599.57	599.7





# Central Illinois Drought Update

## 7-day Precipitation Outlook Through Next Wednesday



- Most of the precipitation during this period will fall Friday night and Saturday (November 20-21)
- Additional amounts of a half to 1 inch are possible in some areas



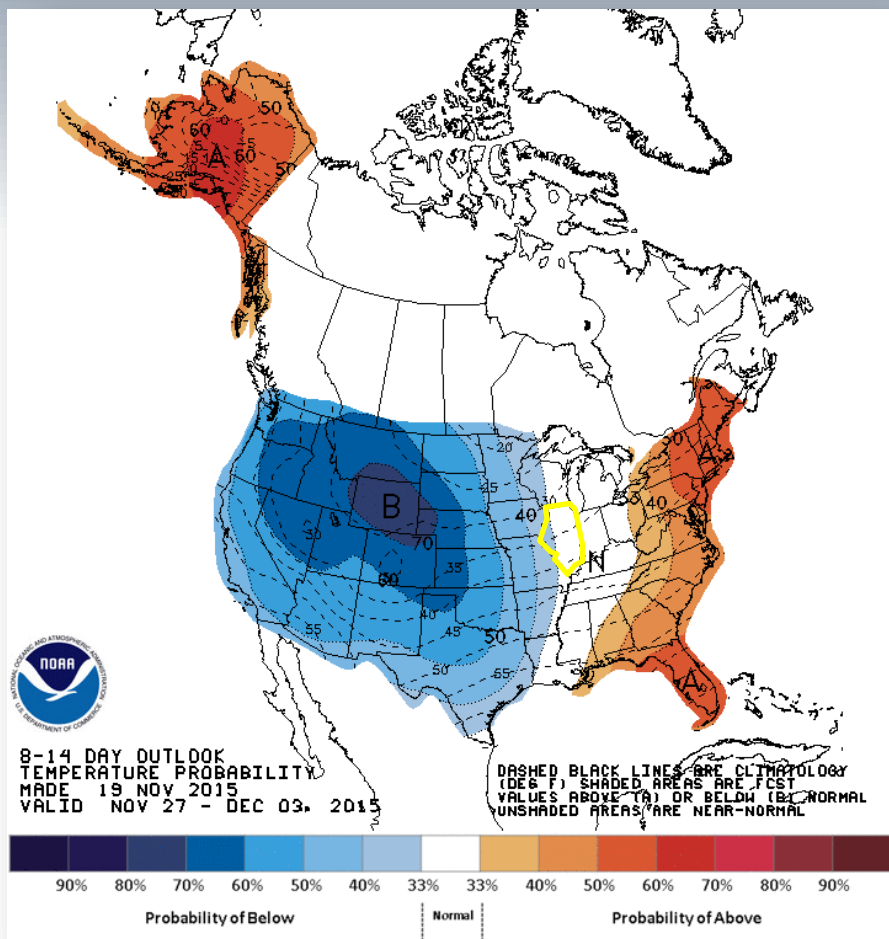




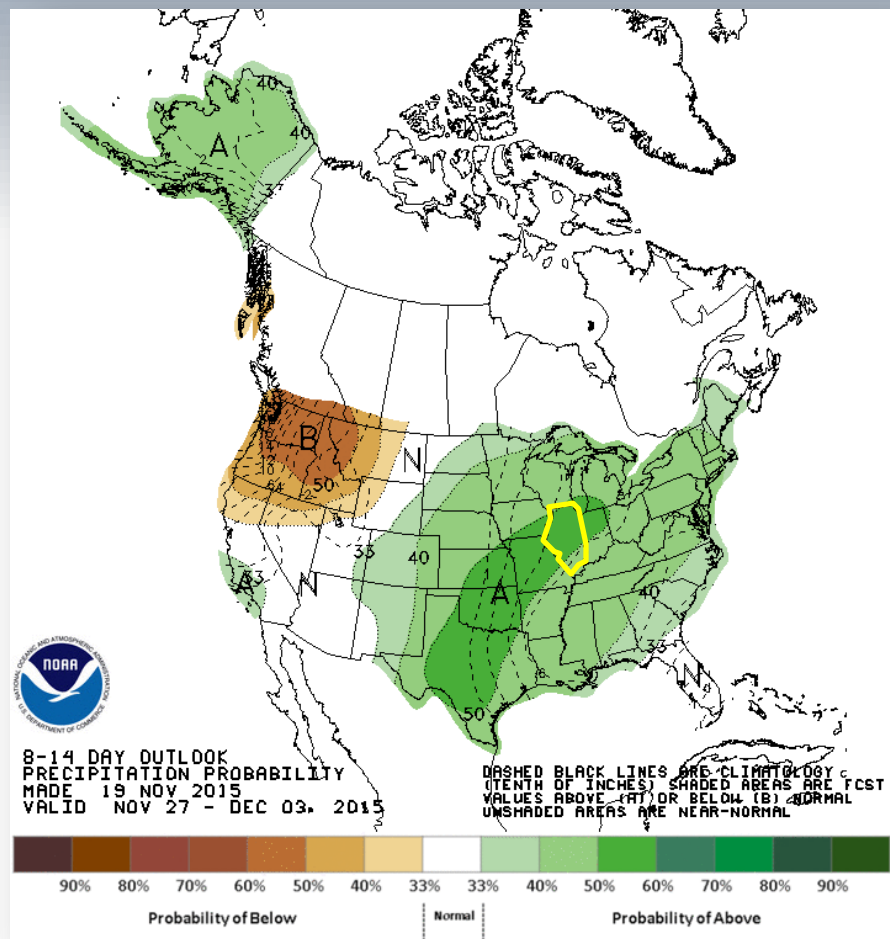
# Central Illinois Drought Update

8-14 Day Outlook: November 27 to December 3

## Illinois: Temperatures near normal



## Illinois: Precipitation above normal





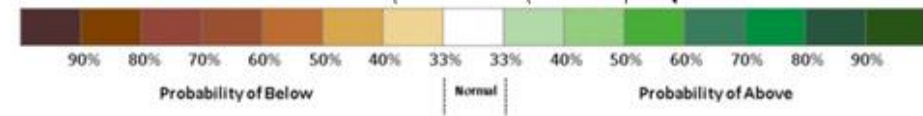
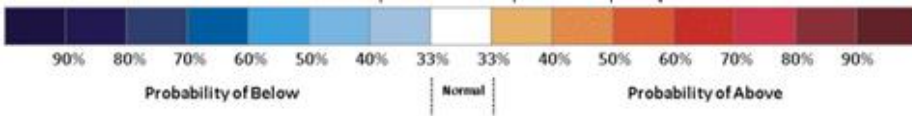
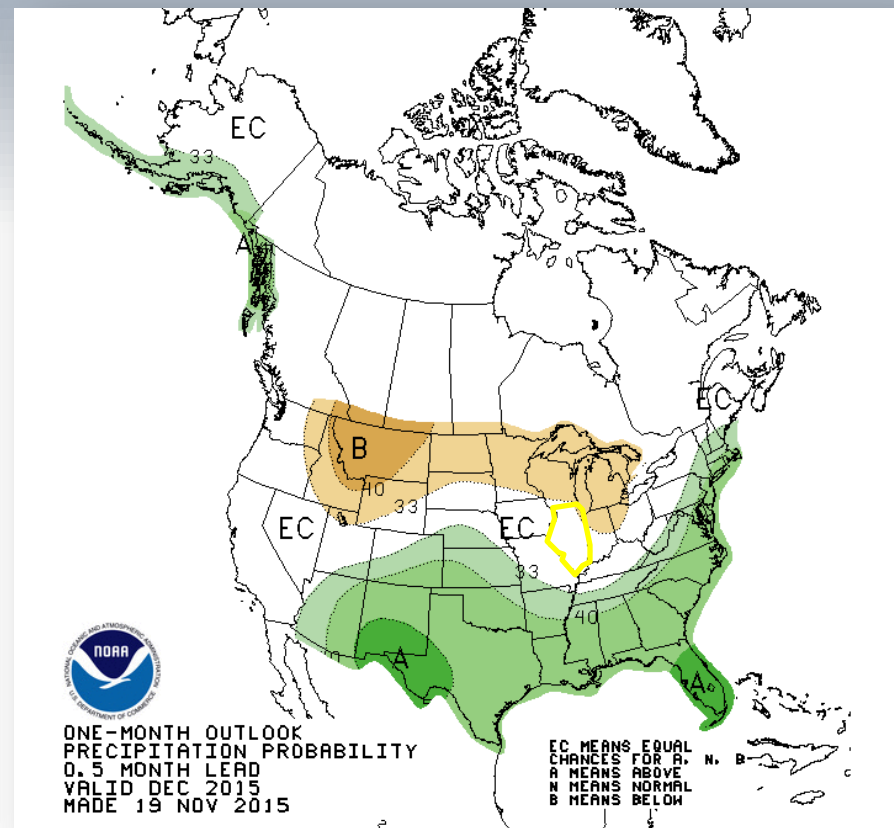
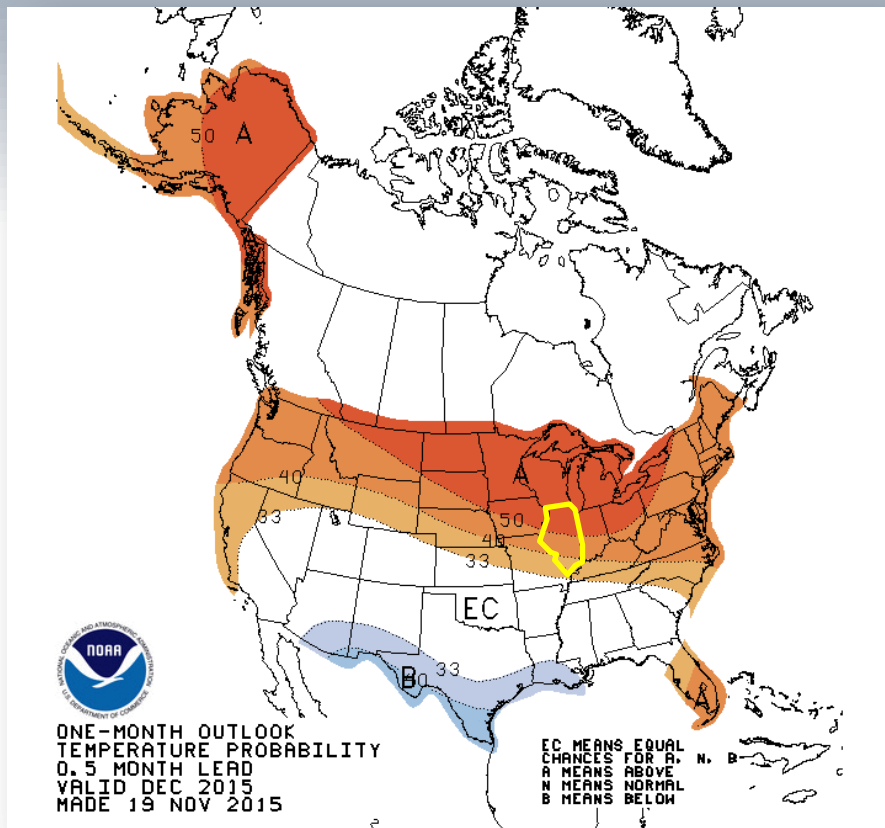


# Central Illinois Drought Update

Outlook for December

**Temperatures above normal favored**

**No precipitation trend favored**



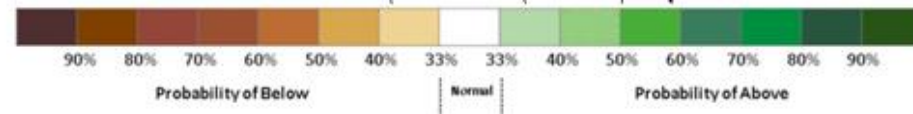
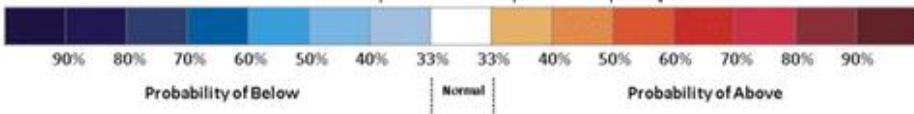
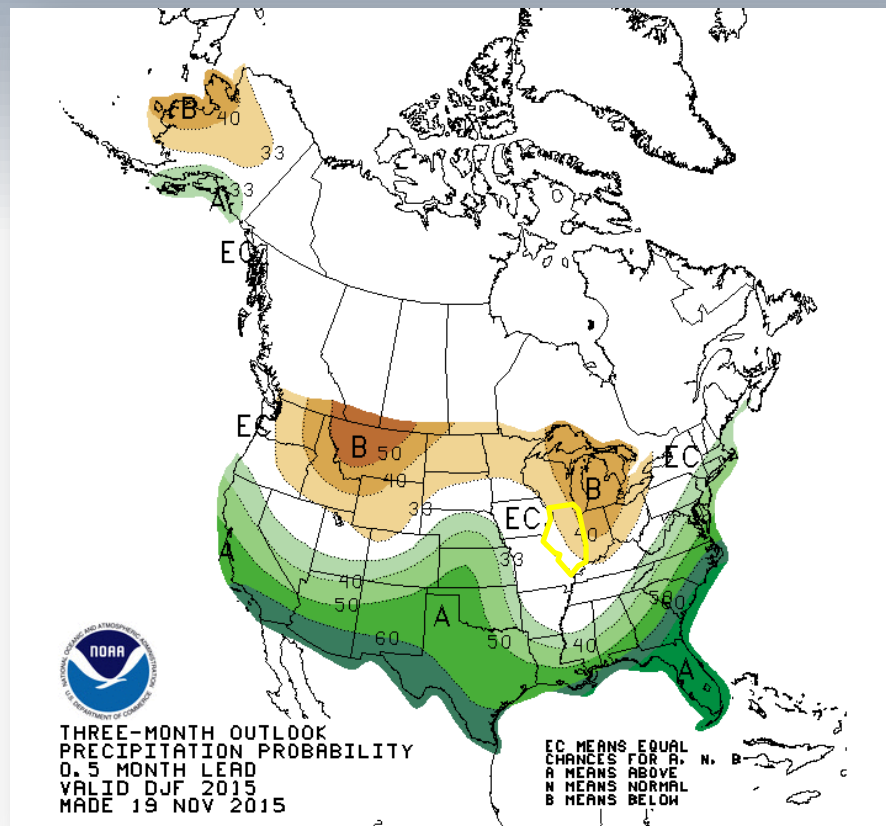
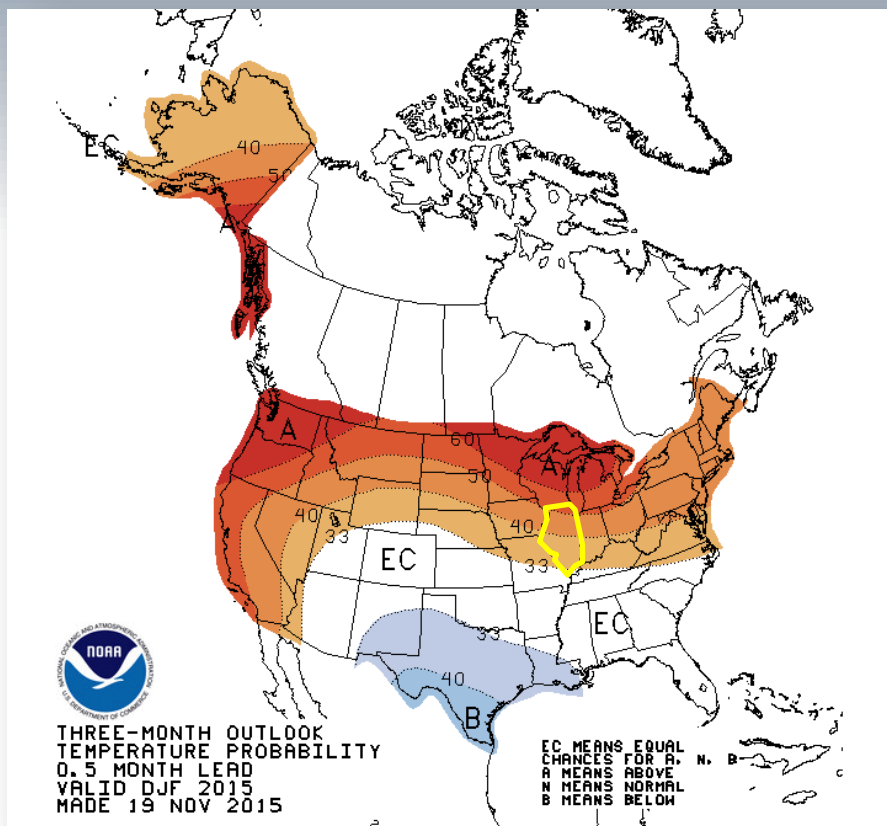


# Central Illinois Drought Update

Winter Outlook (December through February)

**Temperatures: Above normal favored**

**Precipitation: Below normal favored**





# Central Illinois Drought Update

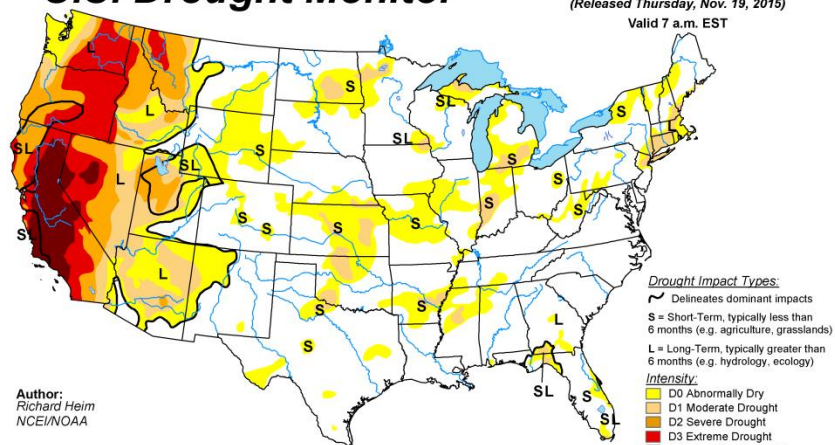
## About the Drought Monitor

### U.S. Drought Monitor

November 17, 2015

(Released Thursday, Nov. 19, 2015)

Valid 7 a.m. EST



Author:  
Richard Heim  
NCEI/NOAA

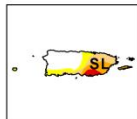
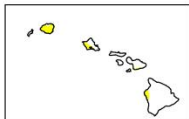
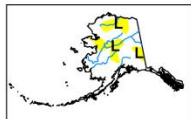
#### Drought Impact Types:

~ Delineates dominant impacts  
S = Short-Term, typically less than 6 months (e.g. agriculture, grasslands)  
L = Long-Term, typically greater than 6 months (e.g. hydrology, ecology)

#### Intensity:

D0 Abnormally Dry  
D1 Moderate Drought  
D2 Severe Drought  
D3 Extreme Drought  
D4 Exceptional Drought

The Drought Monitor focuses on broad-scale conditions. Local conditions may vary. See accompanying text summary for forecast statements.



<http://droughtmonitor.unl.edu/>

The U.S. Drought Monitor is jointly produced by the National Drought Mitigation Center, the U.S. Department of Agriculture, and the National Oceanic and Atmospheric Administration. Updated maps are issued Thursday mornings at 7:30 am Central time, and incorporate data through the preceding Tuesday. It is based on measurements of climatic, hydrologic, and soil conditions, as well as reported impacts.

<http://droughtmonitor.unl.edu>



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Thursday, November 19, 2015